

WP2.1: Summary of Course Development

1. Master of Maritime Operations and Management Program
Existing Course: Marine and Coastal Environment
2. Bachelor of Maritime Operations Program
Existing Course: Oceanography
3. Bachelor of Maritime Operations Program
Existing Course: Integrated Marine Pollution Control
4. Bachelor of Maritime Operations Program
Existing Course: Law of the Sea and Ship Operation
5. Bachelor of Maritime Operations Program
New Course: Maritime and Offshore Safety Analysis

No	Course Name	Date of approval	Approved by	Accreditation status
1	Marine and Coastal Environment	Pending	Postgraduate Studies Section	Approved (MQA)
2	Oceanography	Pending	Maritime Management Section	Approved (MQA)
3	Integrated Marine Pollution Control	Pending	Maritime Management Section	Approved (MQA)
4	Law of the Sea and Ship Operation	Pending	Maritime Management Section	Approved (MQA)
5	Maritime and Offshore Safety Analysis	Pending	Maritime Management Section	Approved (MQA)

Course Propose	Marine and Coastal Environment	Oceanography	Integrated Marine Pollution Control	Law of the Sea and Ship Operation	Maritime and Offshore Safety Analysis
Course status	Revised	Revised	Revised	Revised	New
The title of the academic program involved	Master of Maritime Operations and Management	Bachelor of Maritime Operations (Hons.)	Bachelor of Maritime Operations (Hons.)	Bachelor of Maritime Operations (Hons.)	Bachelor of Maritime Operations (Hons.)
Number of Credits	3 credit (5 ECTS)	3 credit (5 ECTS)	3 credit (5 ECTS)	3 credit (5 ECTS)	3 credit (5 ECTS)
MARE Topic	1-Coastal	1-Coastal	3-Area-based	6-marine	6-marine

	science and management	science and management	management & 6-marine pollution control and management	pollution control and management	pollution control and management
Contents updated	Course content: 1. Marine and coastal environment 2. The ocean and the atmosphere 3. Coastal environment 4. Seafloor features 5. Ocean chemistry 6. Ocean physics 7. Ocean circulation and waves 8. Tides and the coastal environment	Course content: 1. Introduction to oceanography 2. Plate tectonics and the ocean floor 3. Marine provinces 4. Marine sediments 5. Properties of sea water 6. Air-sea interaction 7. Ocean circulation 8. Waves 9. Tides and tidal streams 10. Beaches and shoreline processes	Course content: 1. Introduction to pollution 2. Marine pollution 3. Examples oil spill cases/incidents 4. Oil spill containment and cleaning-up methods 5. The implementation of international marine environment and pollution conventions 6. National contingency plan (NCP) 7. Global instruments in marine pollution	Course content: 1. Introduction to merchant shipping ordinance (MSO) 2. Application for registration of ships 3. Domestic shipping license 4. Masters and seamen 5. International safety management code (ISM Code) 6. International security port facilities and ships (ISPS) code 7. International convention on standard, training, certification and watchkeeping 1978 (STCW'78) 8. Baselines and maritime zones 9. International water and territorial sea 10. Archipelagic state and archipelagic water 11. Exclusive economic zone	Course content: 1. Safety and economy 2. Maritime risk picture 3. Offshore safety and survival 4. Rules and regulation 5. Risk analysis techniques 6. Cost benefit analysis (CBA) 7. Formal safety assessment (FSA) 8. Accident analysis 9. Emergency preparedness

				(EEZ) & continental shelf 12. Settlement of disputes	
Date of approval	Pending curriculum review				
Final Accreditation body	Postgraduate Studies Section	Maritime Management Section			
Estimated starting date	July 2021	September 2021	September 2021	September 2021	Jan 2022
Number of student to be accepted in the first year	10	30	30	30	Not yet offer (10)
Number of student to be accepted in the second year	Estimated 10	Estimated 40	Estimated 40	Estimated 40	Estimated 10
Teaching staff	AP.Ts.Dr. Mohd Yuzri Mohd Yusop AP.Ts.Dr. Aminuddin Md Arof Norazlina Abdul Nasir	Norazlina Abdul Nasir AP.Ts.Dr. Aminuddin Md Arof Ts. Amayrol Zakaria	Rasidah Shafiee Azila Ayub Muhammad Kasffi Ramli	AP.Ts.Dr. Aminuddin Md Arof Ts. Amayrol Zakaria	Not yet identify
Teaching methods	Blended learning, Online teaching, video lecture				
Learning methods	Online lectures and presentation, moderated in-class discussion, group work, case study, literature review	Online lectures and presentation, moderated in-class discussion, group assignment, individual laboratory work	Lecture, tutorial, case study, presentation, independent learning, interview, survey, field trip, work group, project based	Online lectures and presentation, moderated in-class discussion, group work, case study	Online lectures and presentation, moderated in-class discussion, problem based learning, individual/group assignment
Change in course materials	Video lecture, lecture notes/slides, online resources	Video lecture, lecture notes/slides, demonstration, online resources	Video lecture, lecture notes/slides, online resources	Video lecture, lecture notes/slides, online resources	Video lecture, lecture notes/slides, online resources
Evaluation	Written test,	Quizzes, written	Quizzes, written	Quizzes, written	Quizzes, written

methods	individual assignment, group assignment, final exam	test, group assignment, individual assignment	test, assignment, mini project/presentation	test, group assignment, individual assignment, final examination	test, group assignment, individual assignment, final examination
Any innovation?	Online interactive learning and assessment				